

FIG. 1

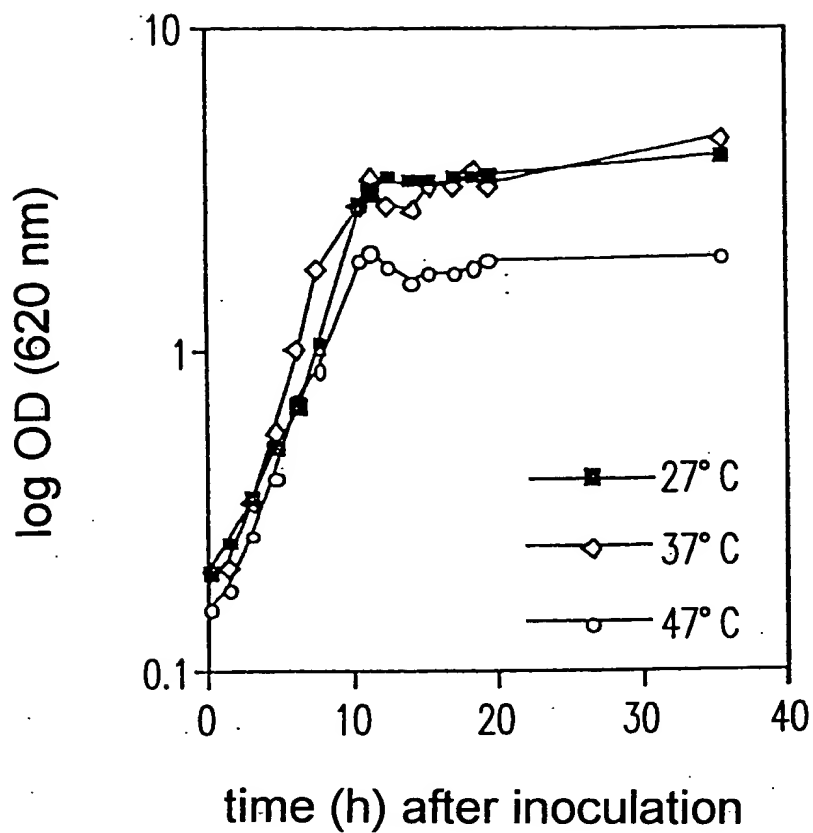
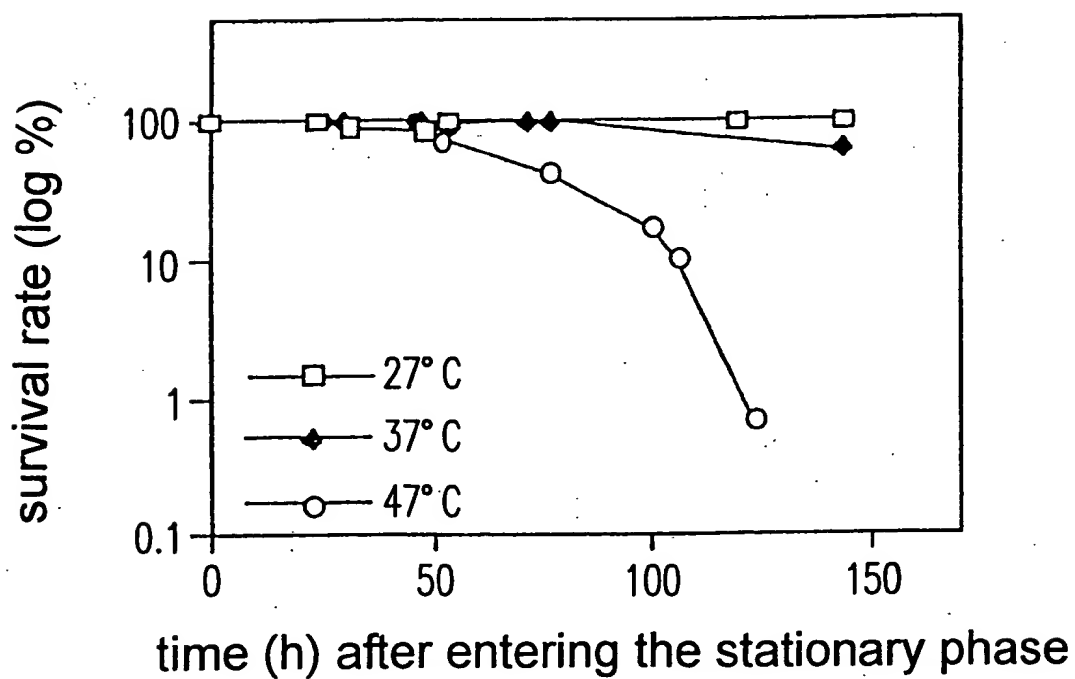


FIG. 2



TPS1 RNA

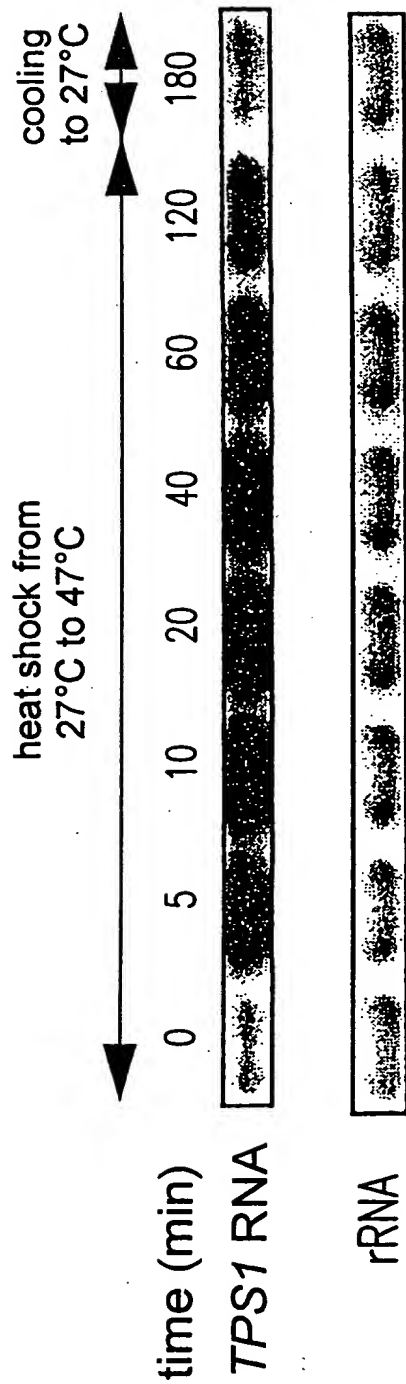


FIG. 3A

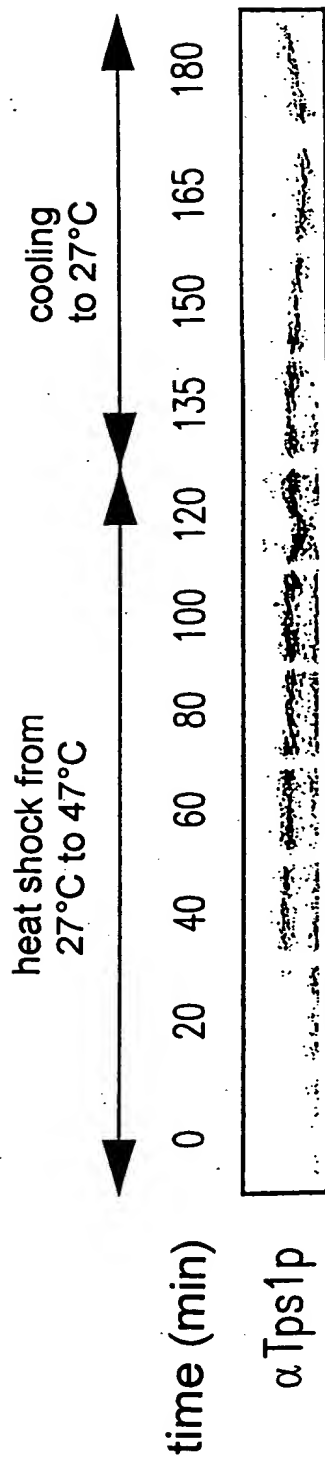


FIG. 3B

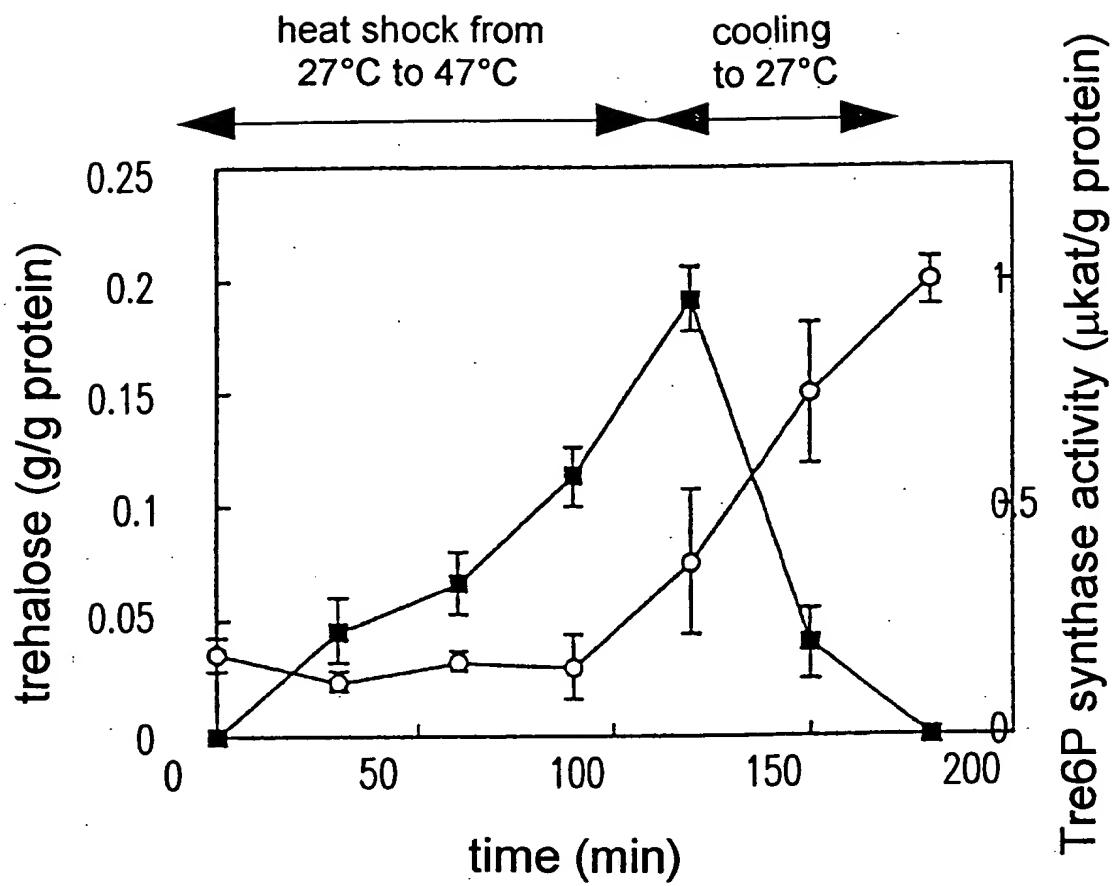


FIG. 3C

FIG. 4A

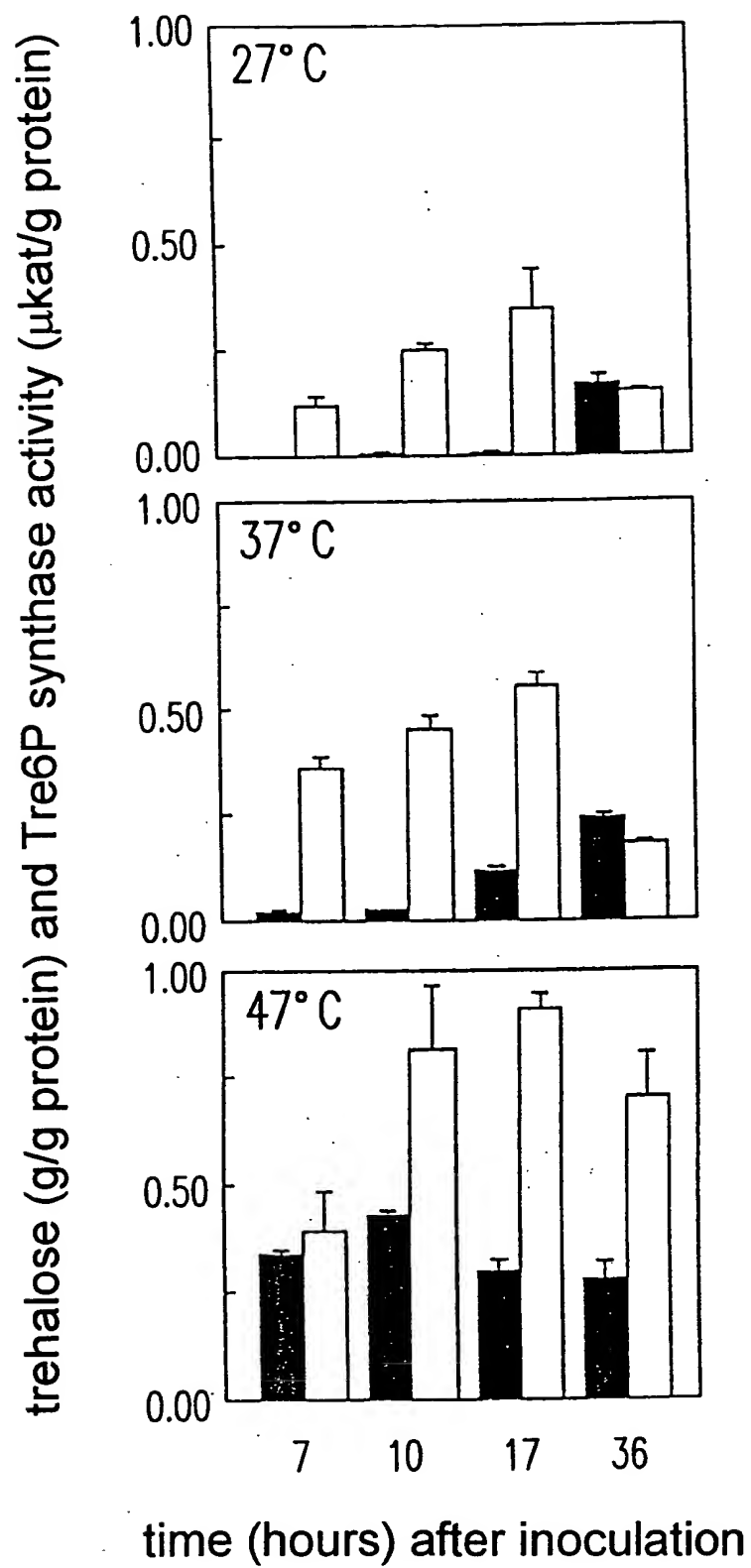


FIG. 4B

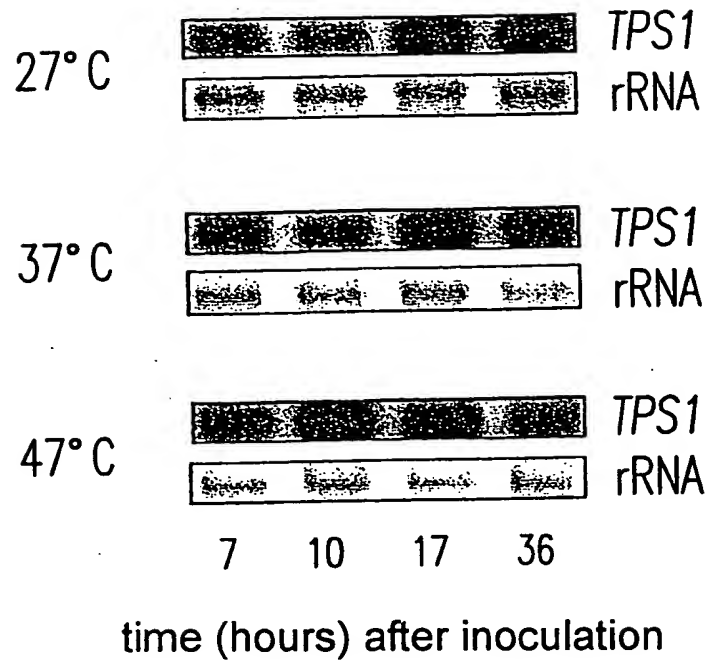
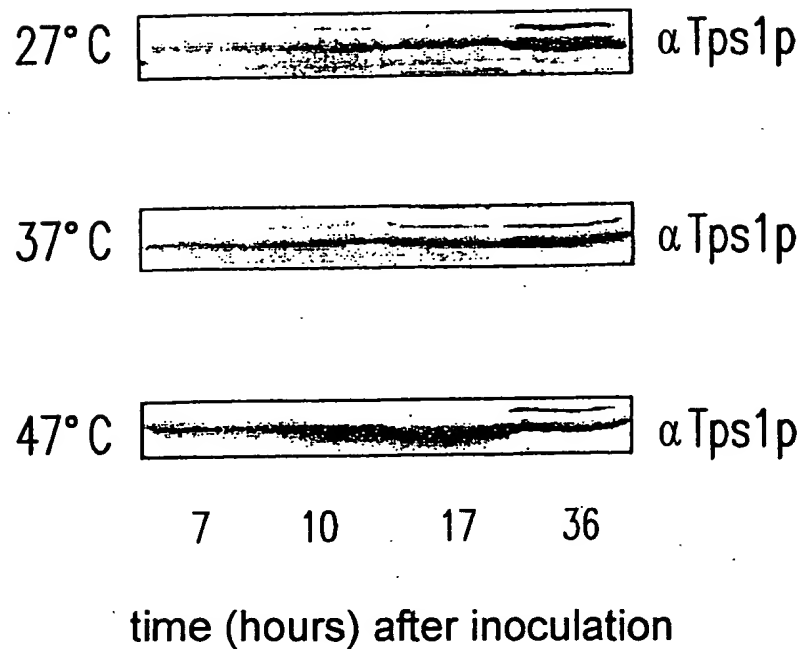


FIG. 4C



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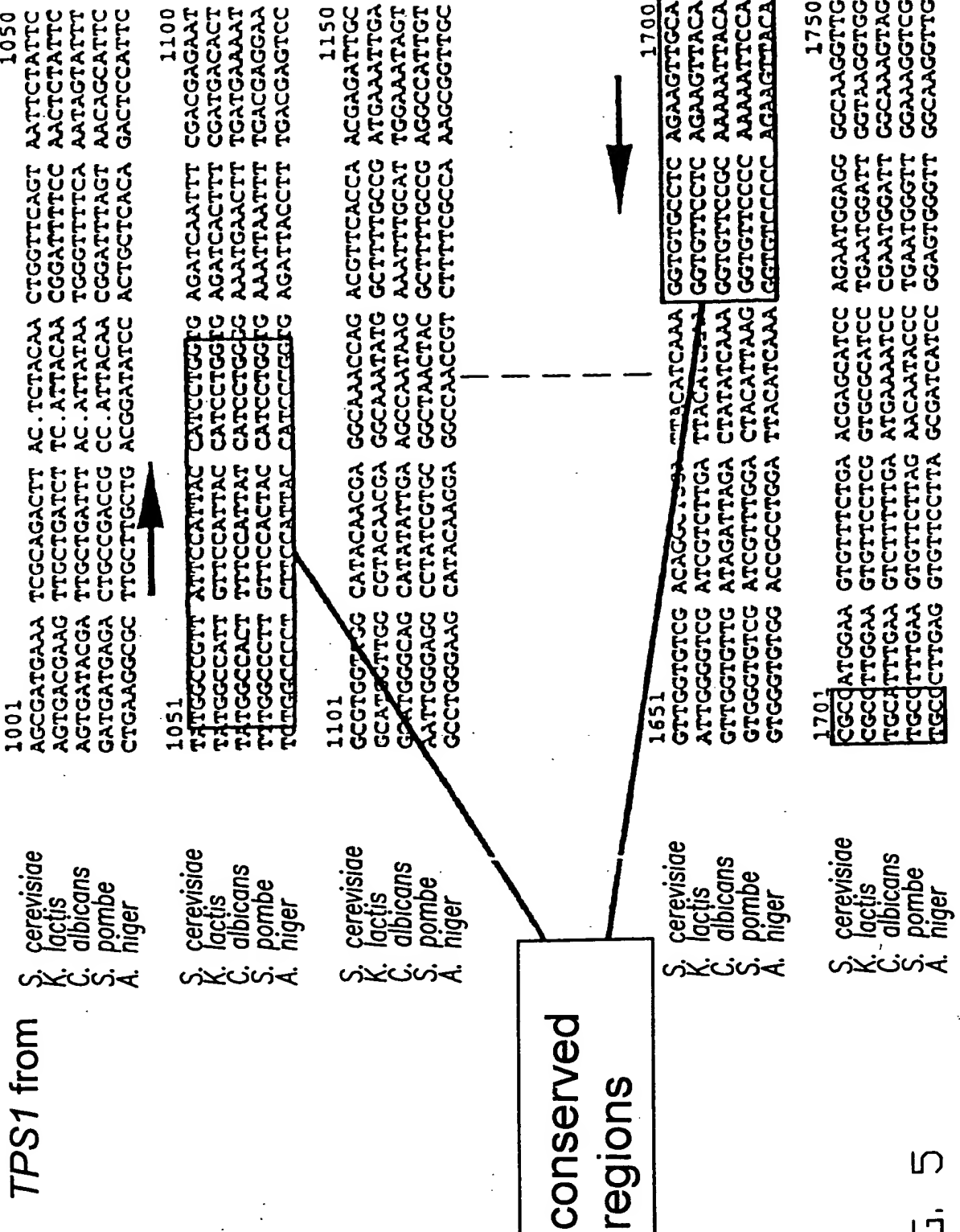


FIG. 5

## FIGUR 6

SEQ ID NO:8 (nucleic acid sequence)

SEQ ID NO:7 (amino acid sequence)

-792	CTTAAATACCACAATAGGAAAATTATCAATAAAGCTTTTCGGATTTTCATTACGTTATATC	-733
-732	GCAAAAAAATAGTCGAGCTTTCTGAACCGTTTCGTTAATAAAAAAATAGTTTTTTCAGATT	-673
-672	TCTATGTGAGGCAGTCACGATAGAATTCCATCGAACTCGTCAGCGCCAAATGTGAATGCG	-613
-612	GCTTTCAAAGCTTTGTGCAATTTGGGATGGGAATCCATGAATCGAAGATGTCAAAATGG	-553
-552	GGGATCACAAAAGTACACTCACGAGGAAAATCAAAACCTTCTCGTACCTTTAACACATAC	-493
-492	GGAAATGATCGATCGATTTGAGAAGATTCTCAATGATTTTCGTCATATATAGGTATCTG	-433
-432	AGGTATTTATGGACCGATTTCGTAATAACATCATATACATCGCGCTTTGTCCCTGTCCCGAG	-373
-372	AGATTTTCGATGAAAAAAGCGAATTTTATTCTAATATTTGAAGCATGCCAAACATGGGGCA	-313
-312	GTTGATTTGTGTGAGGGTAAAATATCATGAATTGCACCCATCAATGCAGCAAGATATTG	-253
-252	ACCAATCCTATAATAGAAAACAGACTTACCACAAATAGATTGTGATGACGATATTATGAA	-193
-192	TCTCCAGATGAAAGGCTCGAAAGCTATGAAGCCCTTTGAAACTTTTCATGGTGAGATAAT	-133
-132	ATTTTCGAAATTTCCACGAACCTCTAAAACGCAATTATTGAATATAAAGGAAAAATAATA	-73
-72	TTTCCATATAGCAAGCAAATCAAGCTGCACTCCTCATCCTTAAAACTAATAAATCTTACC	-13
-12	CATTTGATACCAATGGTCAAAGGTAATGTTATAGTGGTTTCAAATAGAATCCCAGTCACT	48
1	MetValLysGlyAsnValIleValValSerAsnArgIleProValThr	16
49	ATTAAGAAGACTGAAGATGATGAAAATGGAAAATCAAGATACGACTATACAATGTCATCA	108
17	IleLysLysThrGluAspAspGluAsnGlyLysSerArgTyrAspTyrThrMetSerSer	36
109	GGCGGATTAGTGACGGCATTACAAGGGCTCAAAAATCCATTTTCGATGGTTTGGATGGCCT	168
37	GlyGlyLeuValThrAlaLeuGlnGlyLeuLysAsnProPheArgTrpPheGlyTrpPro	56
169	GGGATGTCIGTTGATAGCGAACAGGGACGACAACTGTGAGCGGGATTTGAAGGAAAAG	228
57	GlyMetSerValAspSerGluGlnGlyArgGlnThrValGluArgAspLeuLysGluLys	76
229	TTCAATTGTTATCCGATATGGTTAAGTGACGAAATTGCAGACTTACATTATAACGGCTTT	288
77	PheAsnCysTyrProIleTrpLeuSerAspGluIleAlaAspLeuHisTyrAsnGlyPhe	96
289	AGCAATTCTATACTTTGGCCATTGTTCCACTATCACCCAGGGAGATGAATTTTGATGAA	348
97	SerAsnSerIleLeuTrpProLeuPheHisTyrHisProGlyGluMetAsnPheAspGlu	116
349	ATTGCTTGGGCGCTTATTTGGAAGCAAATAAACTGTTTGGCCAAACGATCTTAAAGGAG	408
117	IleAlaTrpAlaAlaTyrLeuGluAlaAsnLysLeuPheCysGlnThrIleLeuLysGlu	136
409	ATAAAAGACGGGGACGTTATCTGGGTACATGATTATCATCTCATGTTGTTGCCTTCACTG	468
137	IleLysAspGlyAspValIleTrpValHisAspTyrHisLeuMetLeuLeuProSerLeu	156
469	CTAAGAGACCAACTTAATAGTAAGGGGCTACCGAATGTCAAATTGGCTTTTTCTTCAT	528
157	LeuArgAspGlnLeuAsnSerLysGlyLeuProAsnValLysIleGlyPhePheLeuHis	176
529	ACTCCTTTTCTTCAAGCGAAATATACAGGATACTTCTGTAAAGGAAAGAAATTCTCGAA	588
177	ThrProPheProSerSerGluIleTyrArgIleLeuProValArgLysGluIleLeuGlu	196
589	GGAGTGCCTTAGTTGTGATTTGATAGGTTTCCACACCTATGATTATGTCCGTCACCTTCTT	648
197	GlyValLeuSerCysAspLeuIleGlyPheHisThrTyrAspTyrValArgHisPheLeu	216
649	AGTTCGGTTGAAAGAATATTGAAATTGCGAACGAGCCCACAAGGTGTGTCTATAATGAT	708
217	SerSerValGluArgIleLeuLysLeuArgThrSerProGlnGlyValValTyrAsnAsp	236

709	AGACAGGTGACTGTAAGTGCTTATCCGATTGGCATTGACGTTGACAAATTCCTTGAATGGT	768
237	ArgGlnValThrValSerAlaTyrProIleGlyIleAspValAspLysPheLeuAsnGly	256
769	CTTAAGACTGATGAGGTCAAAAGCAGGATAAAACAGCTGGAAACCAGATTTCGGTAAAGAT	828
257	LeuLysThrAspGluValLysSerArgIleLysGlnLeuGluThrArgPheGlyLysAsp	276
829	TGTAAACTTATTATTGGGGTGGACAGGCTGGATTACATCAAAGGTGTACCTCAAAAACCTC	888
277	CysLysLeuIleIleGlyValAspArgLeuAspTyrIleLysGlyValProGlnLysLeu	296
889	CACGCGTTTGAAATTTTCTTGGAGAGACACCCTGAGTGGATTGGAAAAGTTGTTTTGATA	948
297	HisAlaPheGluIlePheLeuGluArgHisProGluTrpIleGlyLysValValLeuIle	316
949	CAGGTGGCTGTCCCTCAGCAGGGGACGTTGAAGAATATCAATCTTTGAGGGCAGCTGTA	1008
317	GlnValAlaValProSerArgGlyAspValGluGluTyrGlnSerLeuArgAlaAlaVal	336
1009	AATGAGCTAGTGGGAAGAATCAATGGTAGATTTCGGTACCGTCGAATTTGTTCTCTATCCAT	1068
337	AsnGluLeuValGlyArgIleAsnGlyArgPheGlyThrValGluPheValProIleHis	356
1069	TTCCTTCATAAAAGCGTGAACCTCCAAGAGCTGATATCTGTCTACGCTGCTAGTGATGTT	1128
357	PheLeuHisLysSerValAsnPheGlnGluLeuIleSerValTyrAlaAlaSerAspVal	376
1129	TGTGTAGTGTTCATCGACACGGGACGGAATGAATTTGGTCAGTTATGAATACATTGCTTGT	1188
377	CysValValSerSerThrArgAspGlyMetAsnLeuValSerTyrGluTyrIleAlaCys	396
1189	CAACAAGATCGAAAGGGATCTCTAGTACTAAGTGAATTTGCGGGAGCTGCTCAGTCATTA	1248
397	GlnGlnAspArgLysGlySerLeuValLeuSerGluPheAlaGlyAlaAlaGlnSerLeu	416
1249	AATGGCGCTCTCGTAGTGAATCCATGGAATACAGAAGAACTCAGTGAAGCTATTTACGAA	1308
417	AsnGlyAlaLeuValValAsnProTrpAsnThrGluGluLeuSerGluAlaIleTyrGlu	436
1309	GGCTTGATCATGAGTGAAGAGAAAAGGAGGGGCAATTTTCAGAAGATGTTCAAGTACATT	1368
437	GlyLeuIleMetSerGluGluLysArgArgGlyAsnPheGlnLysMetPheLysTyrIle	456
1369	GAGAAATATACTGCAAGTTATTGGGGAGAGAACTTTGTGAAAGAATTGACGAGAGTGTGA	1428
457	GluLysTyrThrAlaSerTyrTrpGlyGluAsnPheValLysGluLeuThrArgVal	476
1429	TTACTGTGGTTTTCAGGTTAATTTGAAATGTTCACTTGTACTTGAAGAATTTTATATTAT	1488
1489	ATACATGTTATACATCAATAGGATAAAAATTAAGTAGACAAAGTTATCATTTTGTGGGC	1548
1549	TGTAAAAATTGAACGATAACAATATATTTGACAAAATTAATTTGATCTAATTGAGCTGGA	1608
1609	GGGCGTAATATATTTGGTTTCCTGAATCATCTTGATAGATCACAATATGGGGCAGCTTCTT	1668
1669	TCCGAGCCGATCACAGAGAAACACATCACACTTGTCCAACATGATCACATATCGCATTCA	1728
1729	ATCGGGGAAATGCAAGGATACAGGTTGACCATGGAAGACGCGTTCTGTGATTTGAACGAA	1788
1789	AGAATATTCGTGACGGAAGAGGGGACTTGACATCAGAAAACAAGACGAGAATACAGAGGGT	1848
1849	GATCTGGAGTCTCTTCAAATTAACATTTATGGTGTCTTTGACGGACATGGCGGTT	1903

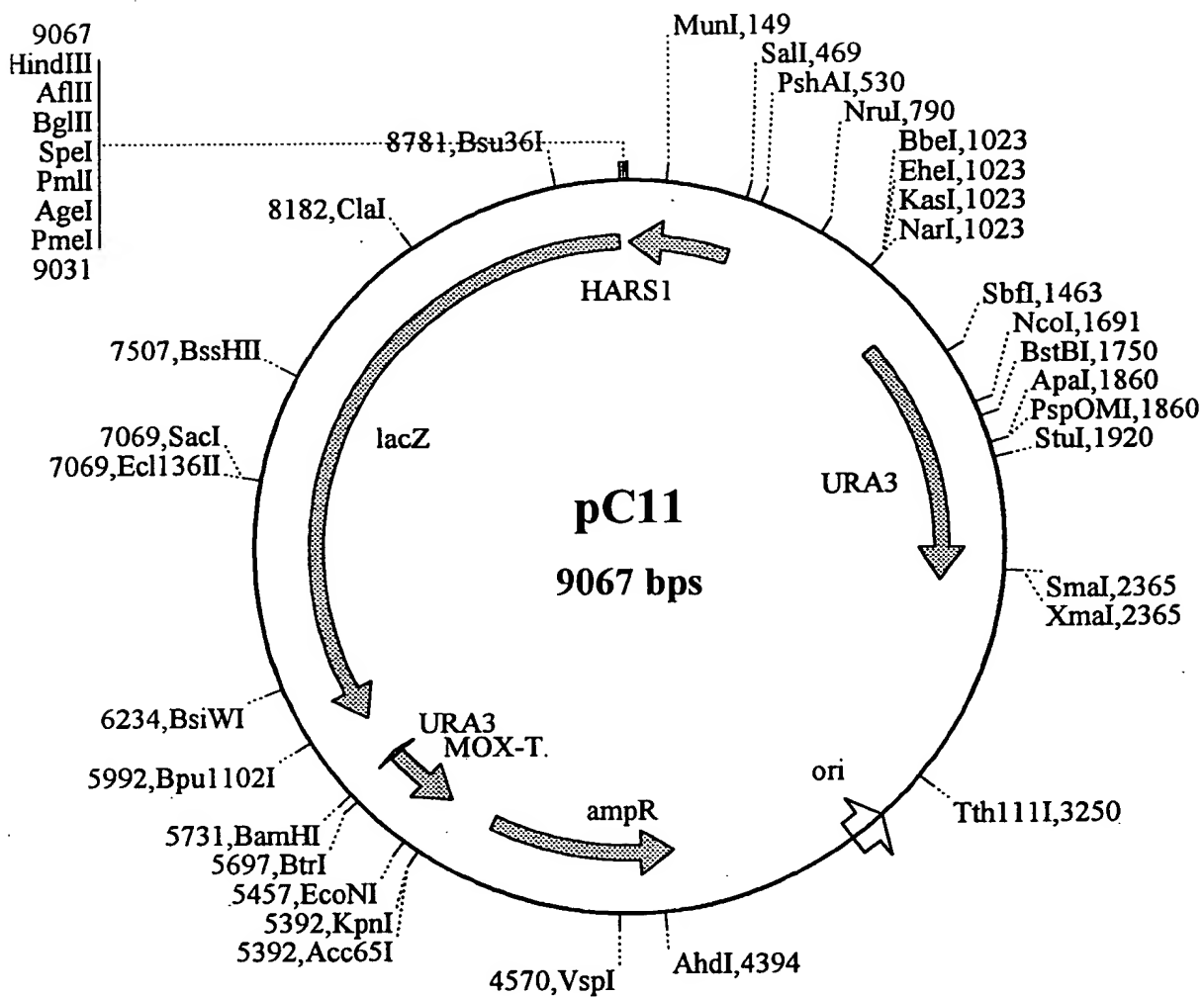


FIG. 7

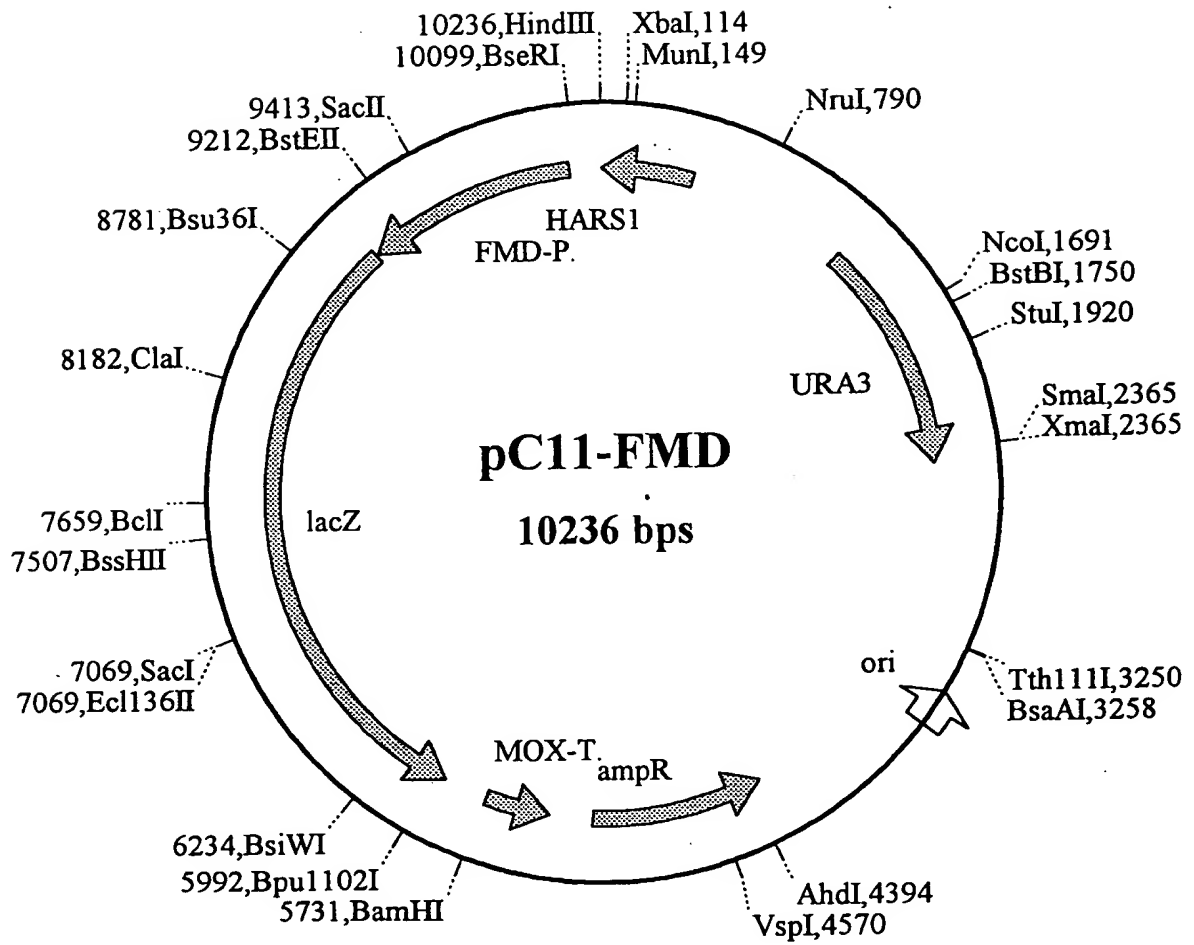


FIG. 8

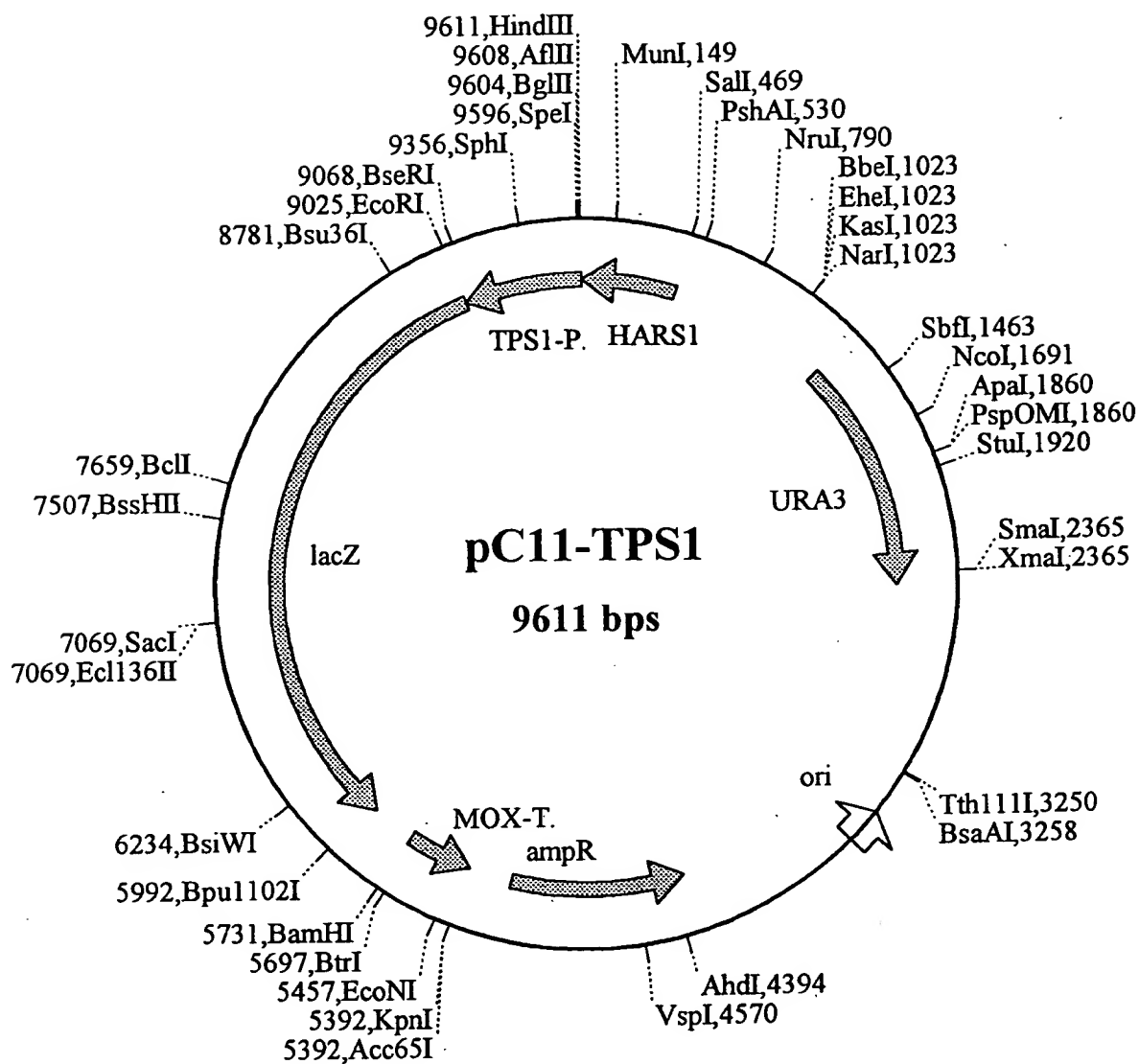


FIG. 9

FIG. 10A

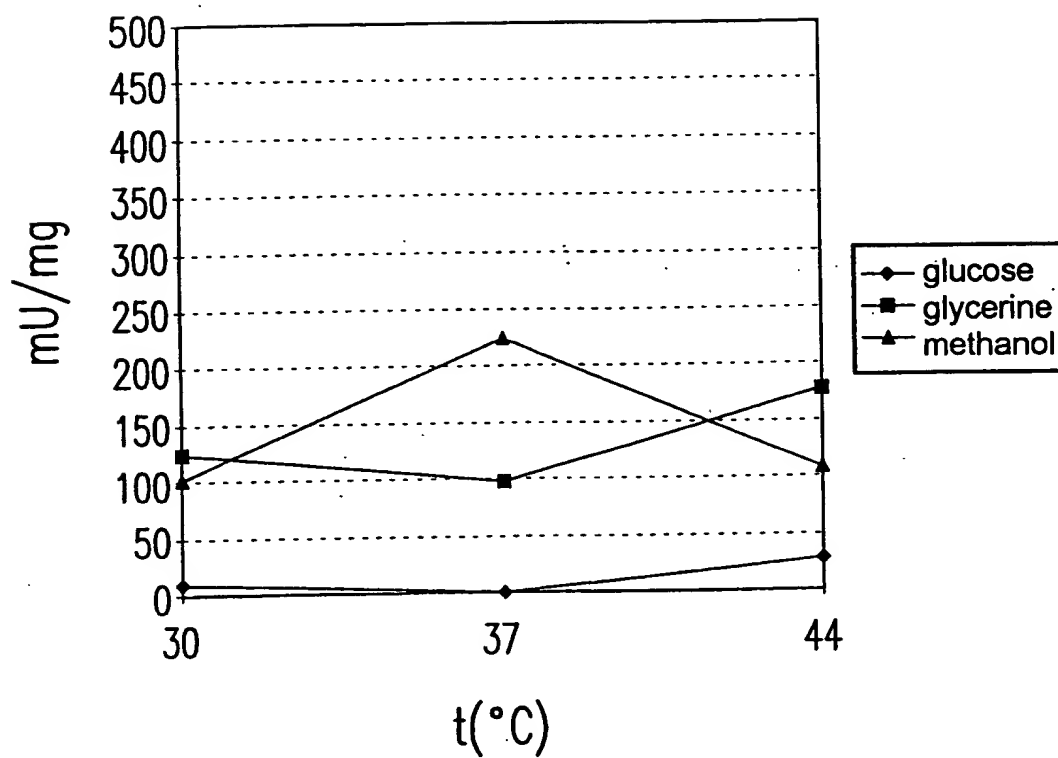
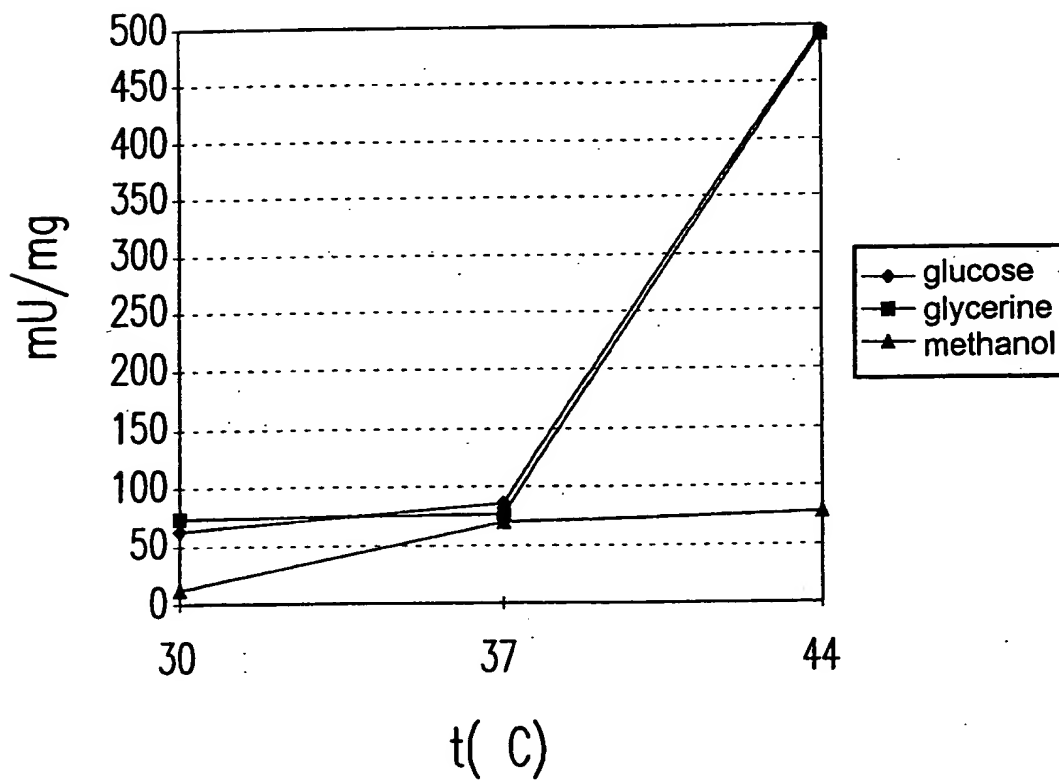


FIG. 10B



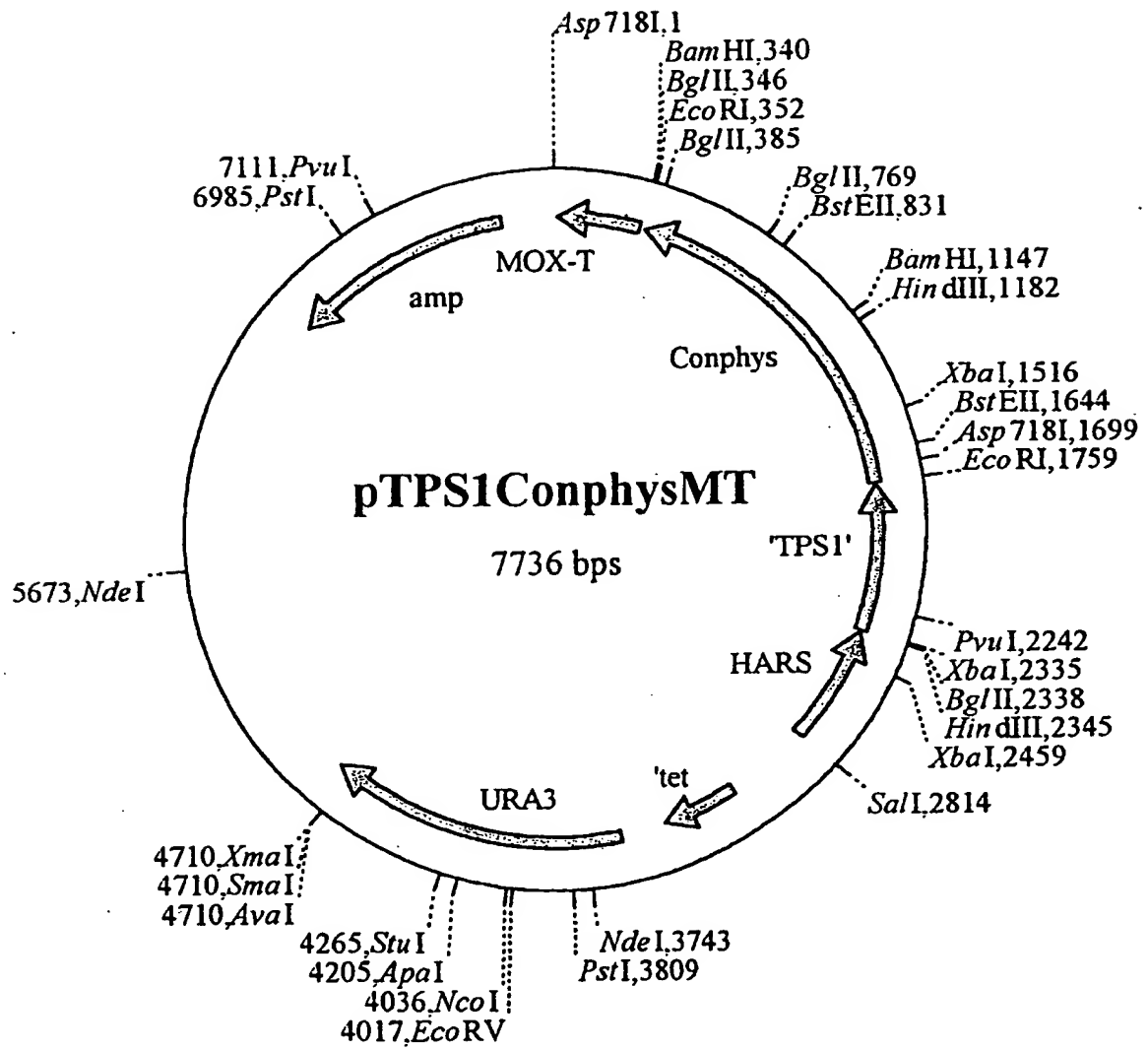


FIG. 11